SE BOD Brief

Navy IM / IT Governance Way Ahead

29 April 2004

Agenda

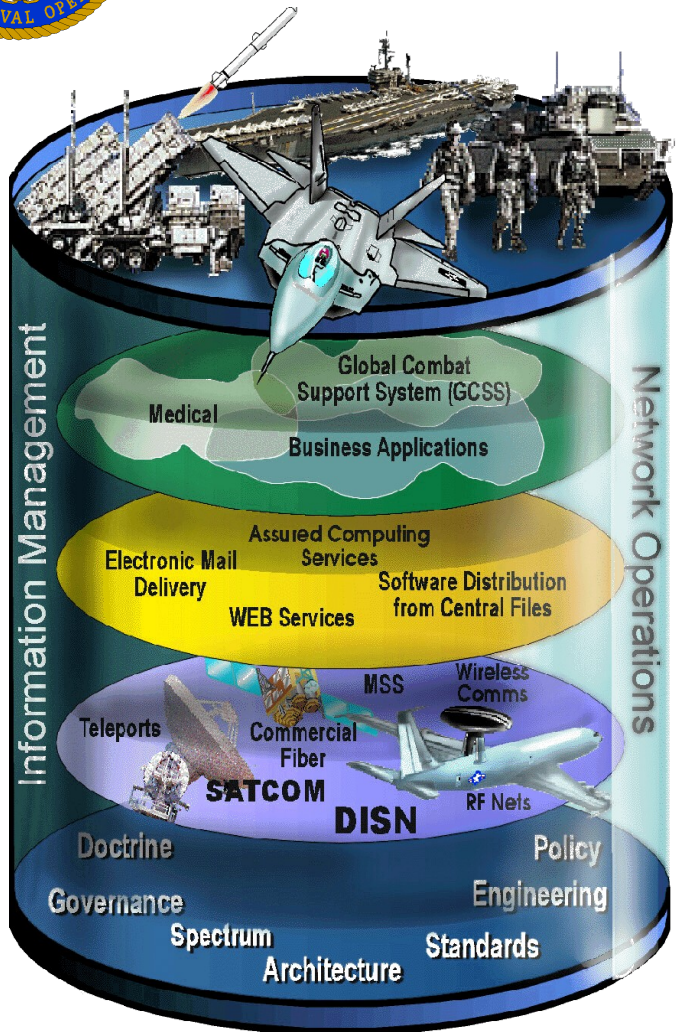
IM / IT Vision

IM / IT Governance

IM / IT Capital Planning

Recommendations

The Scope of IT ?



Information Technology

Any equipment used in the automatic acquisiti storage, manipulation, management, movemen control, display, switching, interchange, transmission, or information …. Includes computers, ancillary equipment, software, firmware and similar procedures, services (including support services) and related servic

Source: Clinger-Cohen Act of 1996

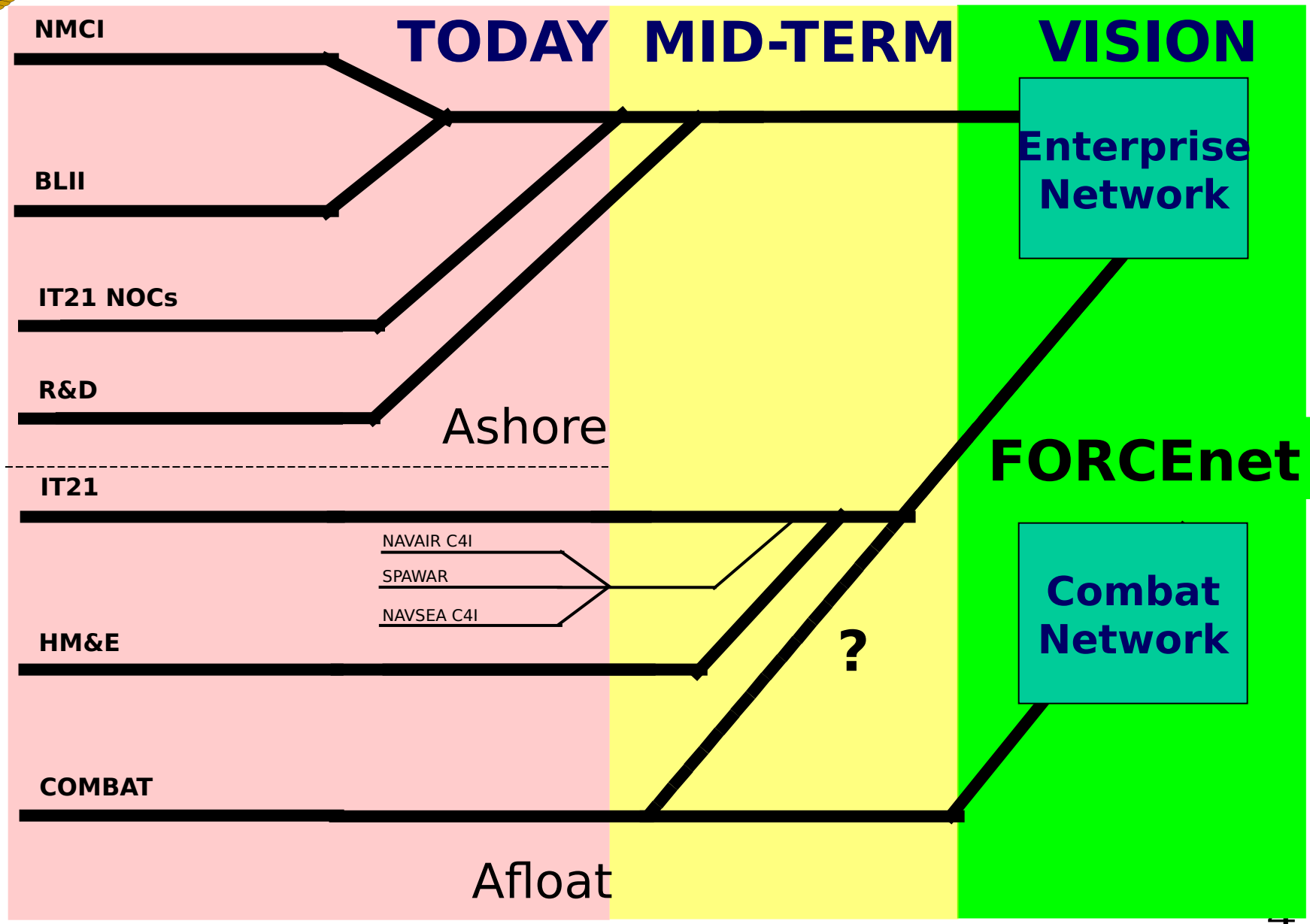
The term "IT" also includes National Security Systems (NSSs)

- **intelligence activities;**
- **cryptologic activities related to national security;**
- **command and control of military forces;**
- **equipment that is an integral part of a weapon or weapon system or**
- **equipment critical to the direct fulfillment of**

Source: Section 5142, Title 40 U.S. Code 14
Executive Order 13011 and FTSE 1996

IT touches everything in the N

Establish a Navy Enterprise Netwo



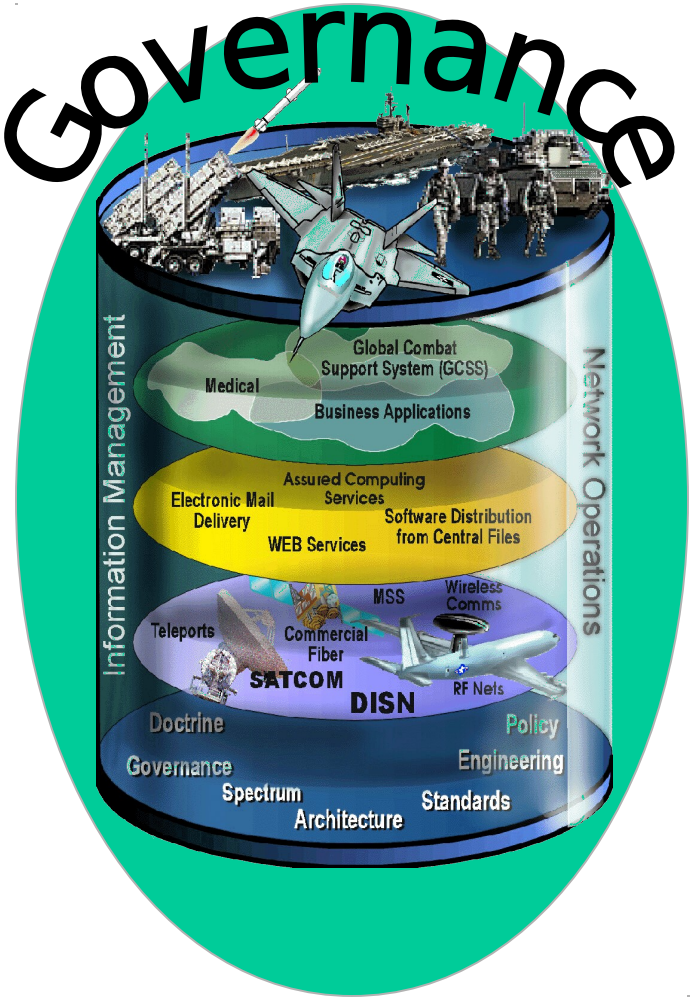
How to Get There

Enterprise IT Governance

Enterprise IT Resourcing – Capital Planning

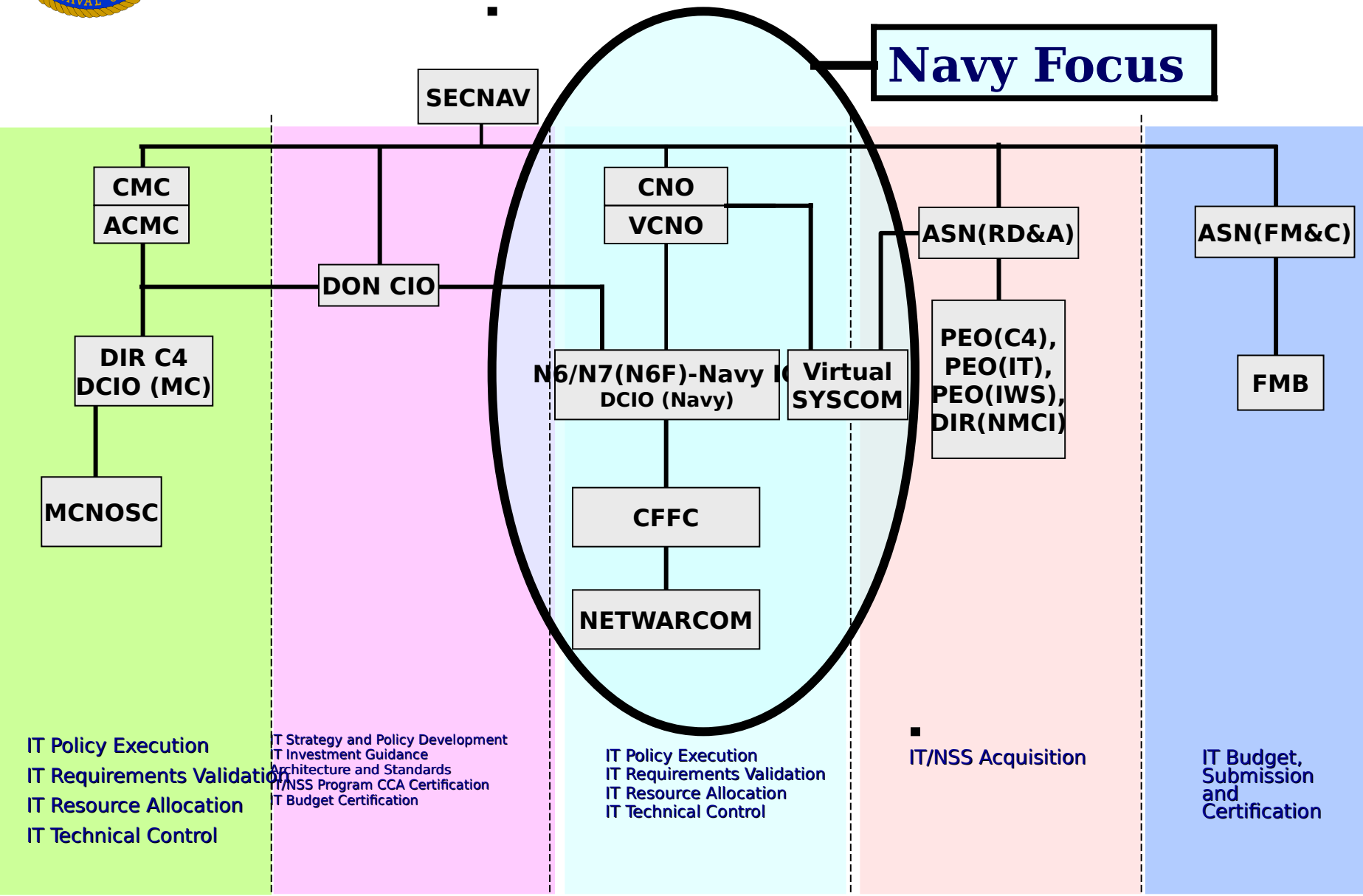
Why IM/IT Governance?

- **Optimize IM/IT for all Navy Users**
- **Enable net-centric warfare**
- **Create seamless info environment**
- **Optimize IM/IT investments**



Foundation for Net-Centric Warf

DON IM/IT Governance Framework



What is Governance & Accountabi

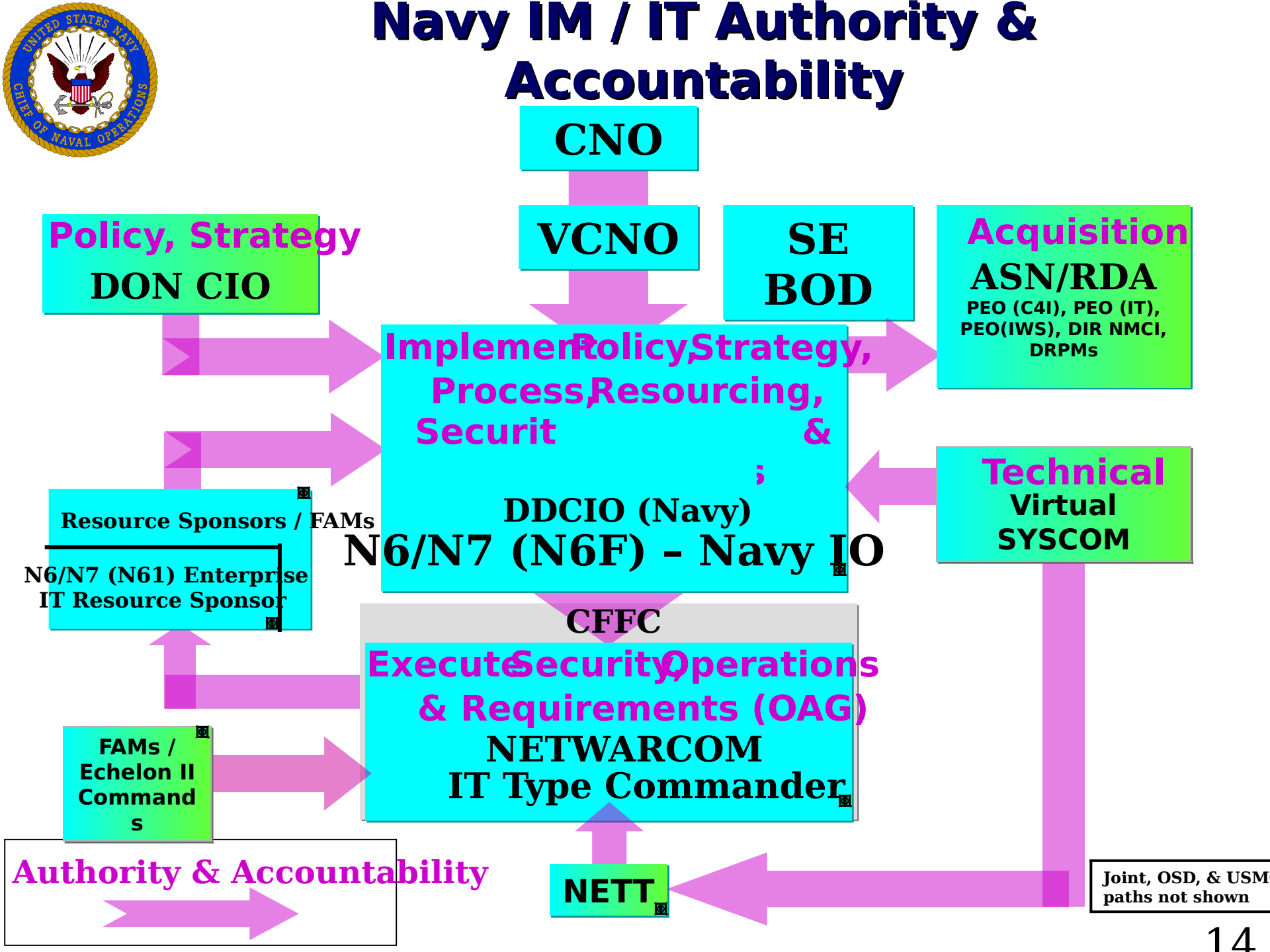
Governance: The act or process of authoritative direction or control over actions and behavior.

Accountability: Responsibility to someone for some activity.

Authority & Accountability for

- Strategic Direction
- Policy Implementation
- Processes
- Requirements
- Resourcing
- Technical
- Acquisition

Navy IM / IT Authority & Accountability

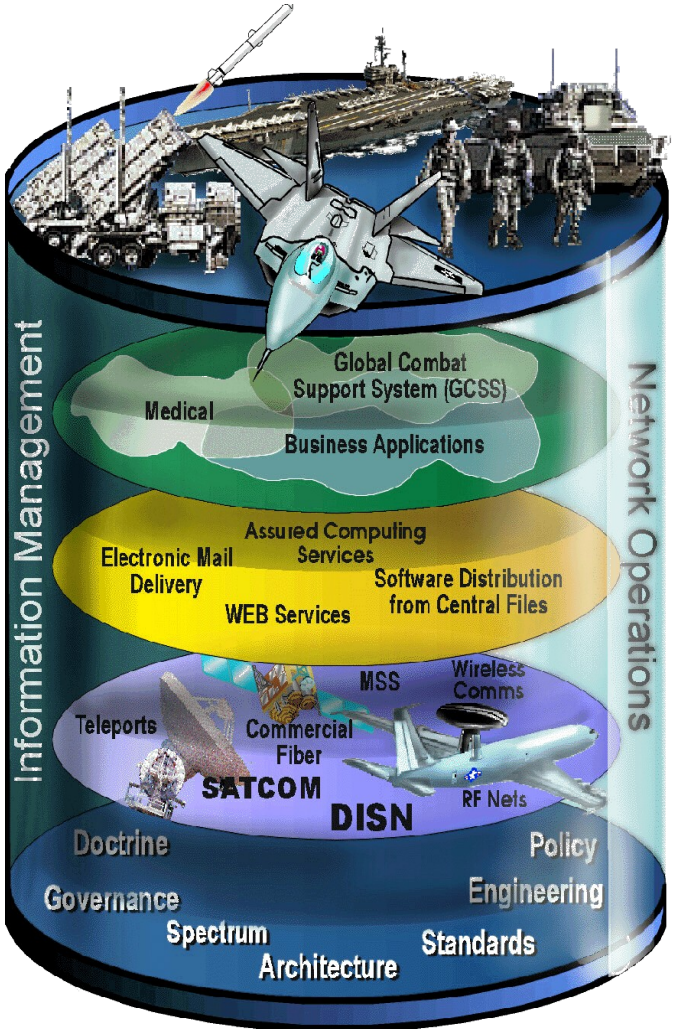


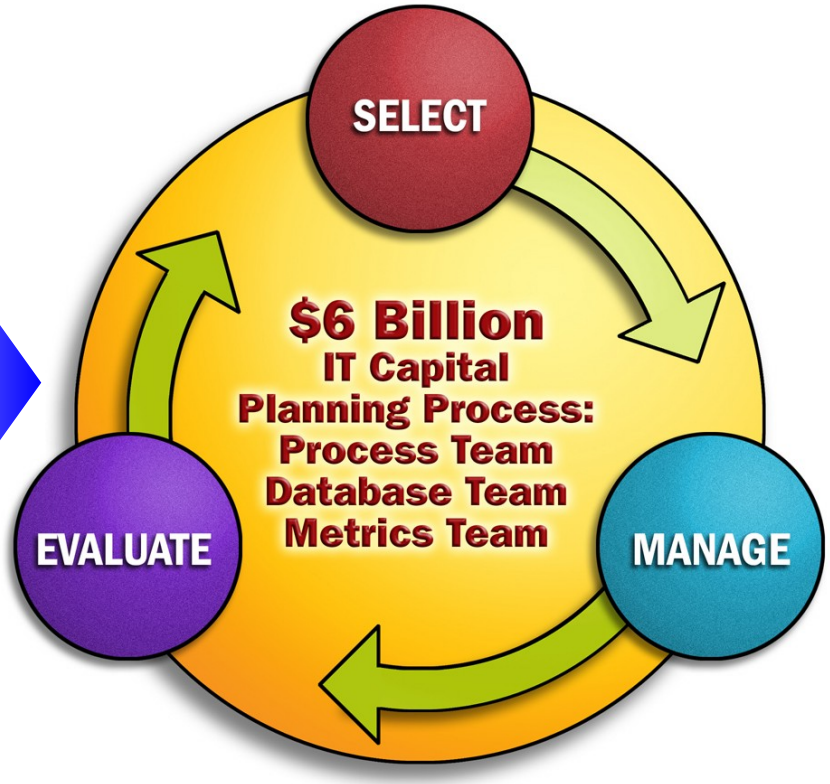
Enterprise IT Resourcing

An Idea for

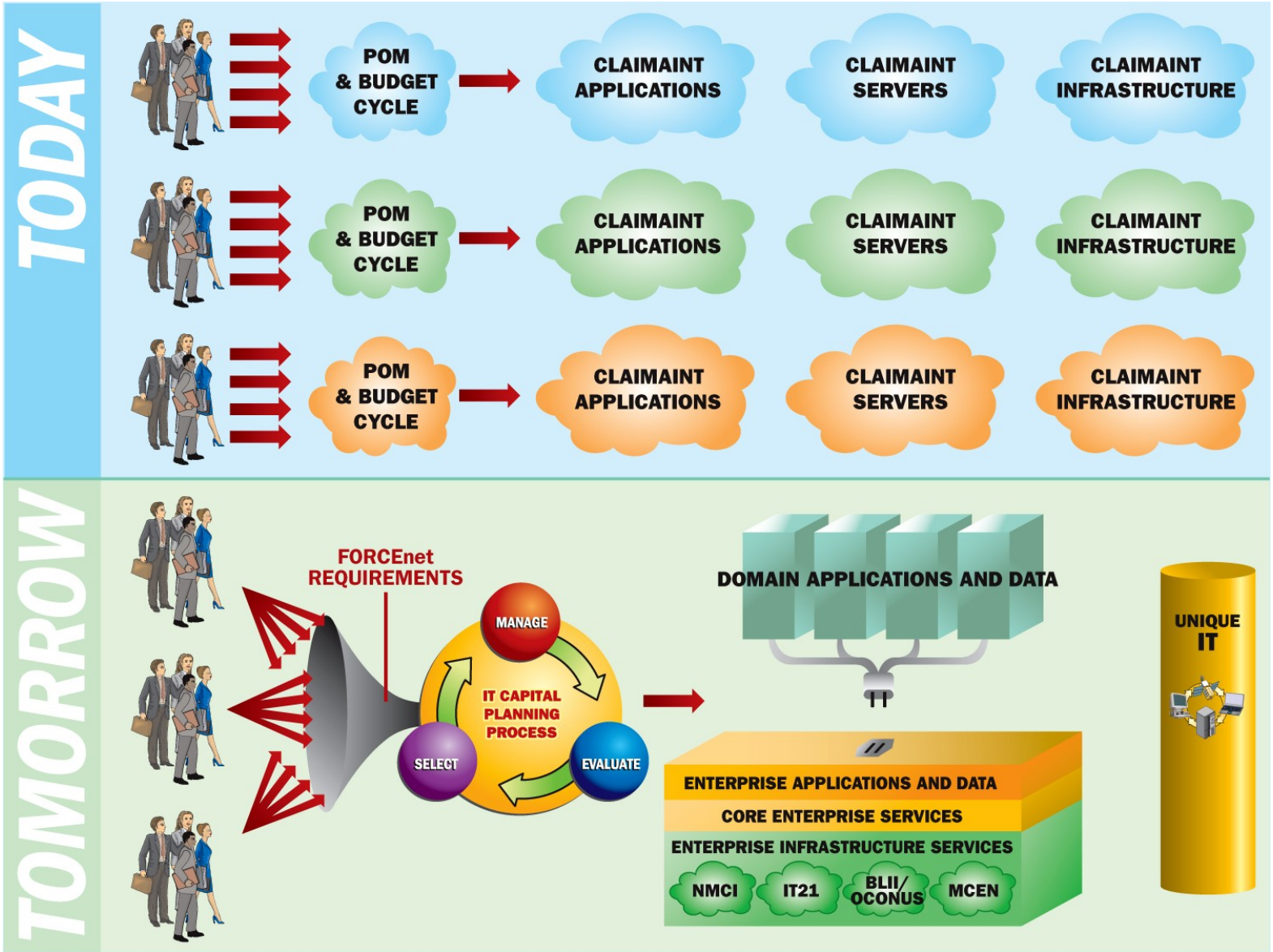
Capital Planning (IM / IT POM)

Enterprise Approach to IT Resources





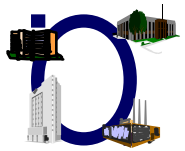
How the Navy Funds IT Requirements



Task 1: Develop a Navy Taxonomy – Align with GIG/BEA

UNIQUE INFORMATION TECHNOLOGY

- Generally defined as a closed loop system not requiring DON network services
- Serves a small user community with a specific mission focus
- Not identified in SPP submission – embedded in a weapons system



Special Use Networks & Applications

DOMAIN APPLICATIONS

- Assigned to resource sponsors
- Specific to business processes

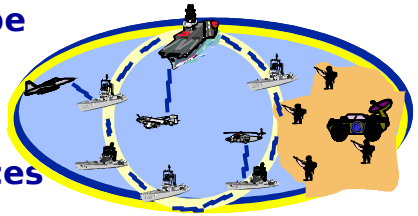
Functional Applications

Global Command and Control System – Maritime (GCCS-M)

Standard Procurement System (SPS)

ENTERPRISE SERVICES & NETWORKS

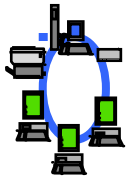
- Provides tools and functionality that can be leveraged across domain applications
- Provides
  - ✓Enterprise Infrastructure Services
  - ✓Enterprise Applications and Data Services
  - ✓Core Enterprise Services



NMCI, MUOS, DMS, IA

NOT INCLUDED IN IT

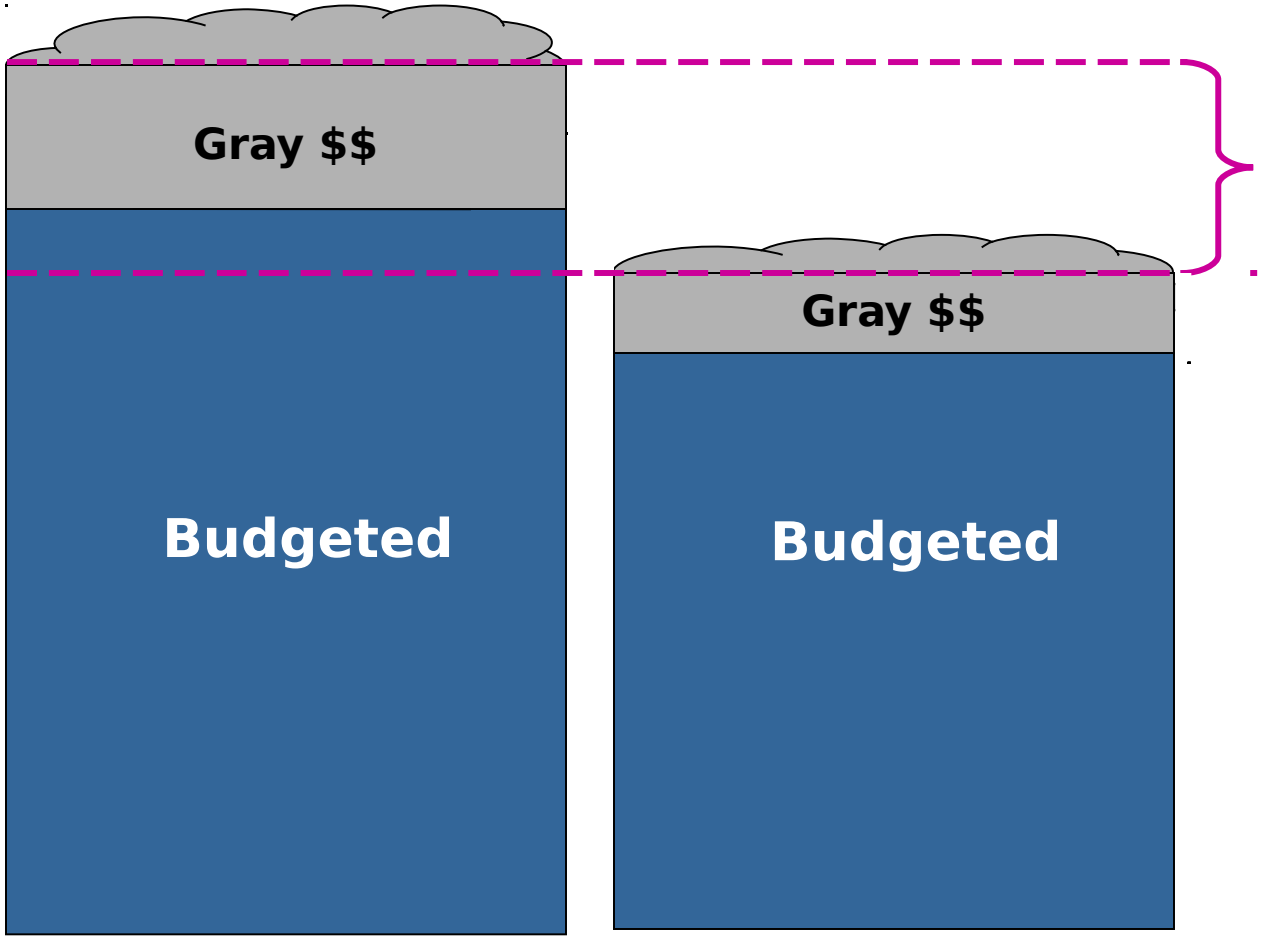
Airframes



Intelligence Community

Embedded Systems

Task 2: Find the IT Gray Money



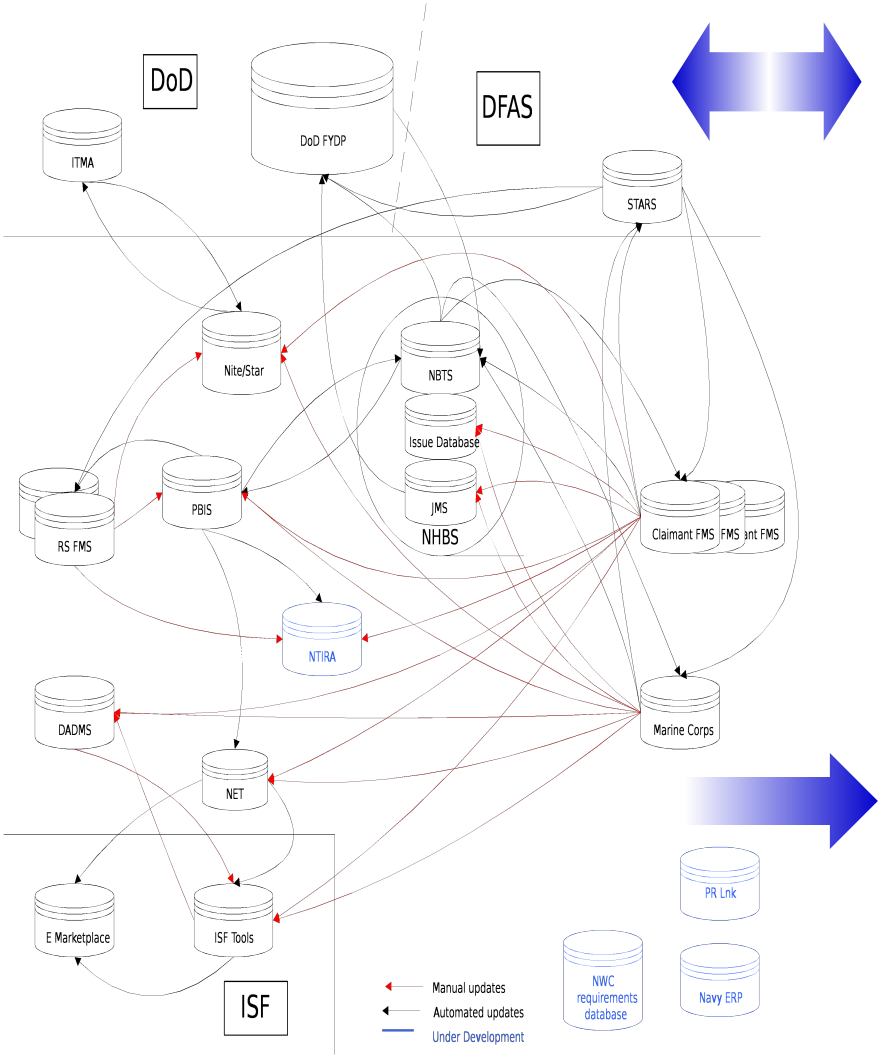
Potential Savings from:

- **IT Consolidation**
  - Servers
  - Voice
  - Services
  - Infrastructure
- **Application Reduction**
- **ERPs**
- **Process Improvements**
- **Software Management**
- **Portals**
- **Enterprise Licensing**

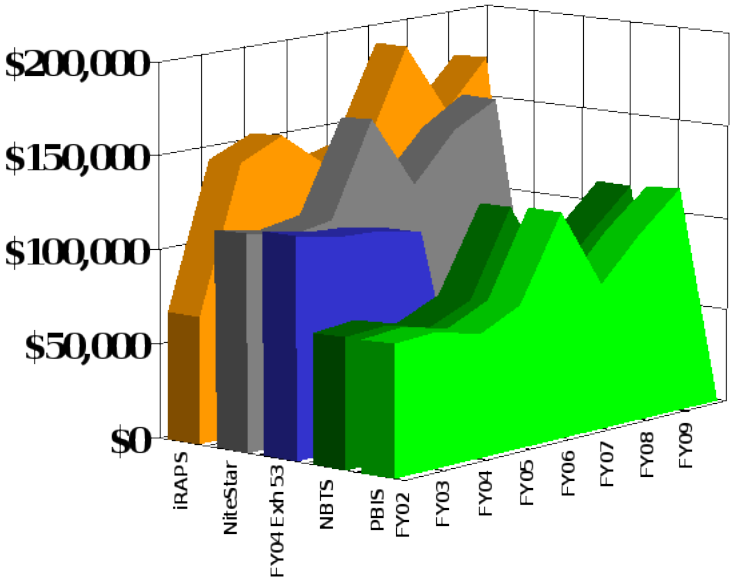
Result:
Resources to support enterprise requirements

Task 3: Track Navy Resources

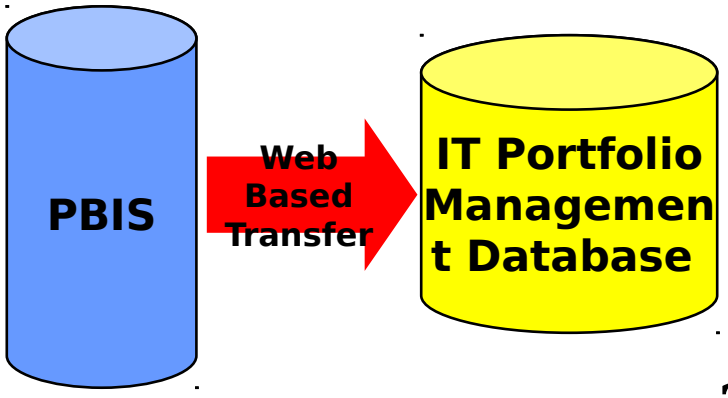
CURRENT FINANCIAL DATABASES



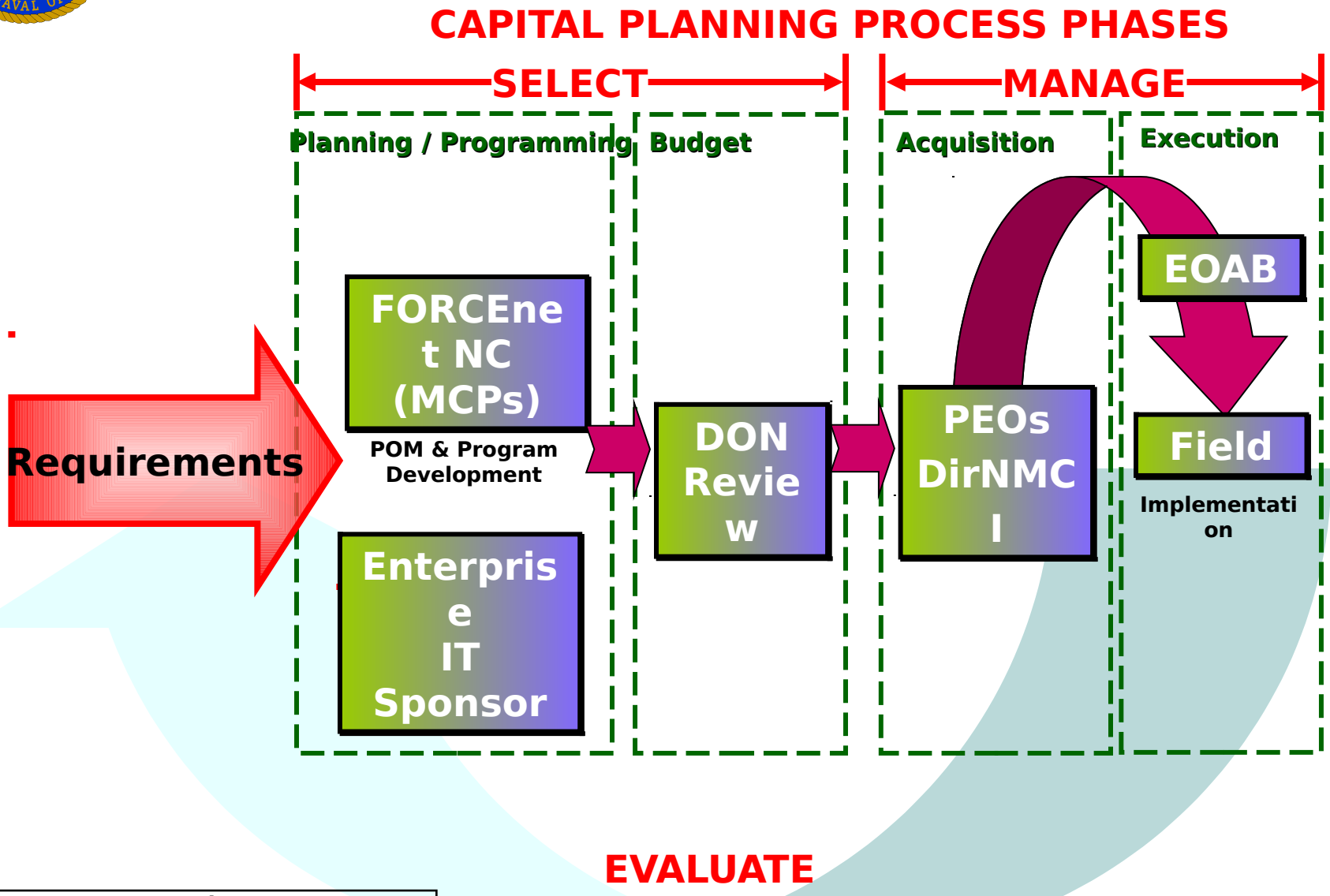
SAMPLE PROGRAM FUNDING PROFILES



Proposed Financial Database Structure



Task 4: Implement Enterprise IT Capital Planning Process



PDG – Program Development Group

EOAB – Executive Operational Advisory Group

Task 5: Measure Our Progress

Sample Performance Measures for a maintenance scheduling and tracking initiative

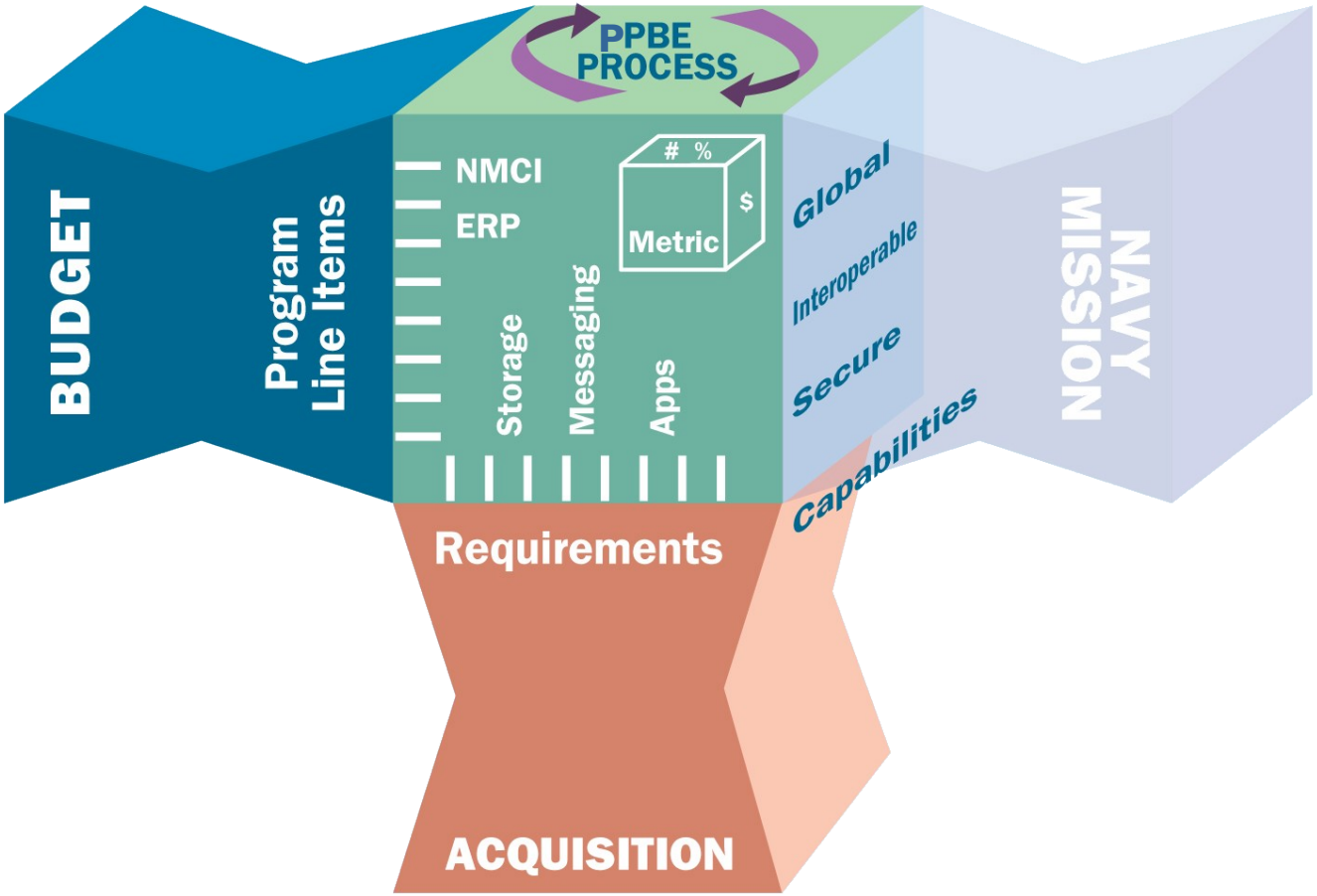
Sample

Strategic Goal	Measure	Metric	Baseline	Target	Actual
Transform and Streamline DON war fighting and business processes and systems	Improvement in percent of maintenance jobs completed by the end of availability	% of jobs completed by end of scheduled availability as reported in XXXX maintenance system	83% of jobs are completed by the end of scheduled availability	97% of jobs are completed by the end of scheduled availability	94% of jobs were completed by the end of scheduled availability

The impact of the initiative on the availability maintenance process is the key planned outcome of the system …

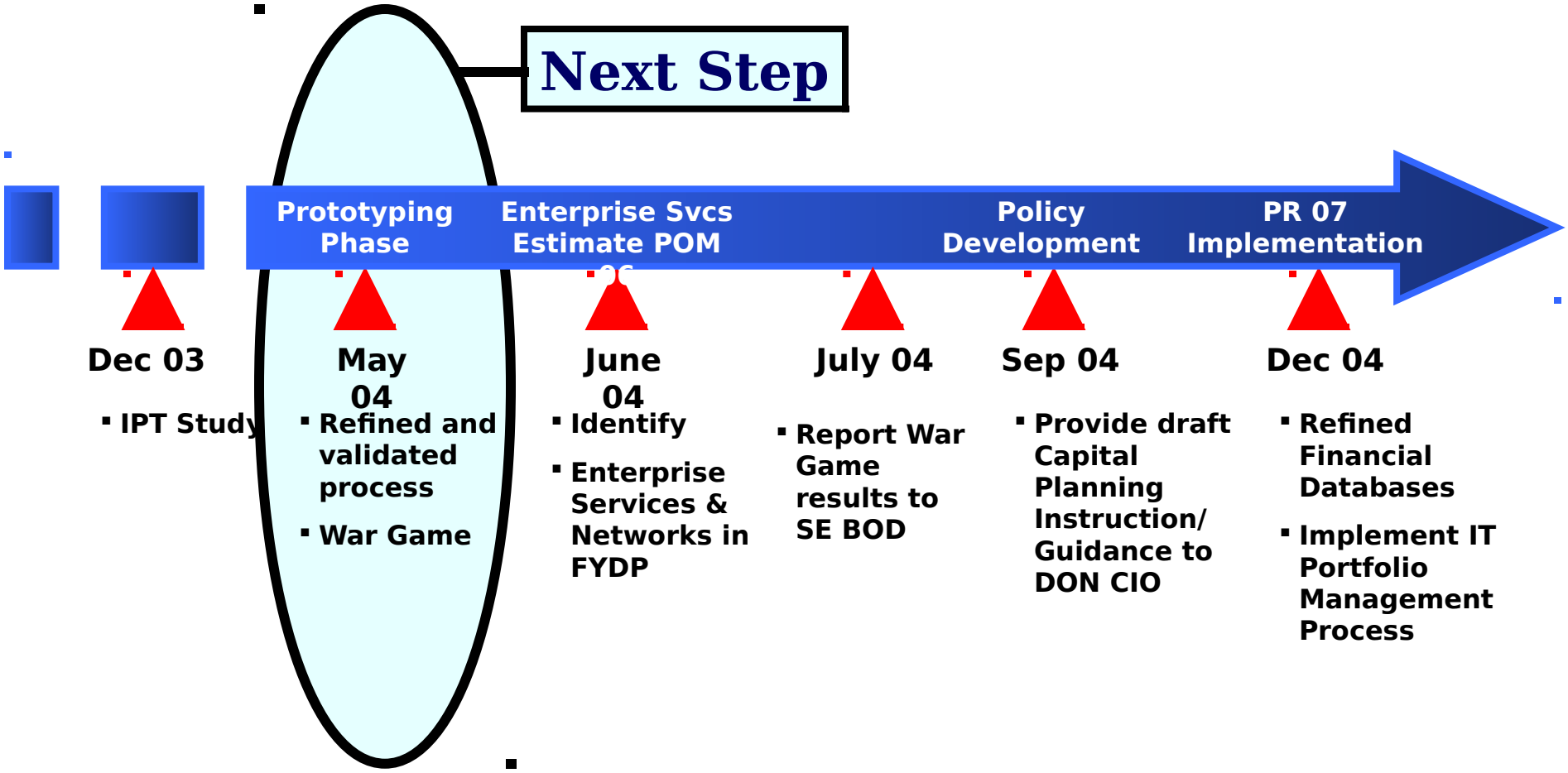
… and the impact on the process is measured quantitatively

Goal: Manage IT as a Strategic Resource



Create an IM/IT POM

How Do We Get There?



Recommendations

- **Approve Navy IM / IT Governance**
  - ✓ HQ IM / IT Enterprise Leader – (N6F)
  - ✓ IM / IT Requirements Leader (CNNWC)
  - ✓ Enterprise Services Resource Sponsor (N61
  - ✓ NETT – IT Technical Advisor (Virtual SYSCO

Recommendations

- **Endorse Capital Planning Propos**

- **Pending outcome of War Game, a**
  - ✓ Establishment IM/IT Enterprise Taxonomy – (
  - ✓ Identification of the IT Gray Money (N8 – N6
  - ✓ Redesign of financial database (CNO N8/FM
  - ✓ Implementation of revised Capital Planning P
  - ✓ Creation of the IM/IT PR 07 (POM) (N6F)

BACKUPS

Navy Information Officer (IO) OPNAV N6F

- Overall integration of enterprise & non-enterprise services and information management
- Policy Implementation
- Navy–wide Security
- Navy-wide IT/IM Integration
- Capital Planning (IT POM)
- Information Management (IM) (Apps/Data/Portal, etc)
- IT/IM Enterprise Processes
- Navy IT/IM Strategy
- Navy IT/IM Architecture
- Lead FAM Integration Process

Naval Network Warfare Command (NETWARCOM)

- End-to-End Enterprise Network Operations
- Integration of all IT Requirements (Warfighting and B
  - ✓ Enterprise
  - ✓ Non-Enterprise
  - ✓ DOTMLPF
- Enterprise Operational Security Enforcement
- Computer Network Defense (CND)
- Enterprise IT Configuration Management
- Enterprise IT Performance Monitoring

Navy Network Technical Team (NETT)

- Report to NETWARCOM for IT Requirements Integr
- End-to-End Performance Analysis
  - Enterprise Infrastructure Services (EIS) Gap Analysis
  - Core Enterprise Services (CES) Gap Analysis
- Derive EIS & CES Requirements from User Needs
- Draft 1 & 3 Year Enterprise IT Technical Strategy &
  - Submit Strategy & Plan to Virtual SYSCOM and NIO
  - Recommended changes to FORCEnet Check List
  - Recommend integration of new technologies
- Translate FORCEnet capabilities to Technical Requi
- Enforce FORCEnet Compliance Check List

Echelon II Commands

- Enterprise IRM within their command
- Report to NETWARCOM for Security
- Identify command IT user needs to NETWARCOM
- Enforce FORCEnet Compliance Check List
- Enforce IT Enterprise Policy and Processes
- Enforce compliance with FORCEnet Security
- Report IT program execution to NIO
- Report operational execution to NETWARCOM
- Identify IT Domain / Functional IT needs to applicab

N6/N7 (N61) Enterprise IT Resource Sponsor

- Resource IT Enterprise Services requirements
  - Enterprise Infrastructure Service (EIS) requirements
  - Core Enterprise Service (CES) requirements
  - Enterprise Application and Data Service (EADS) requirements
- Ensure EIS, CES & EADS support FAMs functional req
- Include IT Enterprise Services in SPPs & POM
- Transform existing programs into enterprise IT segme
  - Consolidate EIS & CES supported functions into programs
- Enforce FORCEnet Compliance Check List
- Enforce IT Enterprise Policy and Processes
- Enforce compliance with FORCEnet Security

Resource Sponsor / FAMs

- Resource Non-enterprise IT requirements
- Apps and Data Portfolio Management
- Include Non-enterprise IT in their SPPs & POM
- Transform existing programs into enterprise IT seg
  - Eliminate EIS & CES supported functions program
- Enforce FORCEnet Compliance Check List
- Enforce IT Enterprise Policy and Processes Report
- Enforce compliance with FORCEnet Security